

IAP20 P&amp;C'S PCT/PTO 29 DEC 2005

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Keiichi CHONO

Title: METHOD AND APPARATUS FOR ENCODING MOVING PICTURE

Appl. No.: Unassigned

Filing Date: 12/29/2005

Examiner: Unassigned

Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

### **TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the date of entry of the national stage as set forth in 37 CFR §1.491.

### **RELEVANCE OF EACH DOCUMENT**

Documents A1 and A3 are U.S. counterparts of Document A8.

Document A2 is a U.S. counterpart of Document A9.

Document A5 relates to a data compressor, data compression method and storage medium to realize a high compression rate and high image quality of a reproduced image by discriminating the similarity between macro blocks among frames configuring a dynamic image with higher accuracy.

Document A6 relates to a method and device for encoding moving image to reduce an encoding quantity and to prevent deterioration in picture quality by performing warping motion compensating operation by making a jump by the number of frames determined by both the variation quantities of a moving image being inputted and an encoding quantity being outputted and multiplexing the encoded signal of a moving vector, the preliminary error signal of frames, and the encoded signal of the number of frames.

Document A7 relates to a dynamic image data provider system to minimize a moving image data amount by providing a reference state recording means, a compression rate decision means, and a data compression means compressing dynamic image data in response to the decided compression rate and transferring the compressed data to a dynamic image reproduction device in the system.

Documents A3, A8 and A9, listed on the attached PTO/SB/08 were cited as being relevant during the prosecution of the corresponding International application. A copy of the International Search Report is attached setting forth the portion of each document considered

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relevant by the examiner. An English translation of the foreign-language documents is not readily available; however, the absence of such translation does not relieve the PTO from its duty to consider any submitted document (37 CFR §1.98 and MPEP §609). English language abstracts are attached.

Applicant respectfully requests that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date: December 29, 2005

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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: December 29, 2005 <i>(use as many sheets as necessary)</i>				Application Number	Unassigned <b>10/562789</b>
				Filing Date	12/29/2005
				First Named Inventor	Keiichi CHONO
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	1	of	1	Attorney Docket Number	040373-0370

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	6,480,670	B1	HATANO	11-12-2002	
	A2	2002/0114392	A1	SEKIGUCHI et al.	08-22-2002	
	A3	6,091,460		HATANO	07-18-2000	

U.S. PATENT APPLICATION DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Document		Name of Patentee or Applicant of Cited Document	Filing Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number	Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A4	JP	2003-189313		MATSUSHITA ELECTRIC IND. CO. LTD.	07-04-2003		A
	A5	JP	2001-103485		OMI TADAHIRO; I & F KK	04-13-2001		A
	A6	JP	11-285007		NEC CORP.	10-15-1999		A
	A7	JP	08-275139		HITACHI SOFTWARE ENG. CO. LTD.	10-18-1996		A
	A8	JP	07-274182		MITSUBISHI ELECTRIC CORP.	10-20-1995		A
	A9	WO	98/36576		MITSUBISHI DENKI	08-20-1998		A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.